



December 1, 1980
New Information
Mailed to: E, D, C/2169/DB

B-142-7 Semi-Flexible Insulating Varnish

Description

B-142-7 is a modified polyester varnish designed to insulate general purpose electrical units.

Features:

- Low weight loss
- Favorable viscosity - solids relationship which is greater build per dip
- Higher weight per gallon
- Less drain time needed
- Greater build per dip

Thermal Life

Westinghouse B-142-7 has a thermal life of 20,000 hours at 193°C as determined by IEEE #57 test using MW-35 wire.

Bond Strength - Helical Coil

1 Mil build per dip, reverse dip, cure 4 hours at 150°C per dip.

Room Temperature	150°C.
30 lbs.	4 lbs.

Typical Physical Properties:

Non-Volatiles	60±1%
Specific Gravity @ 25° C.	.975 - .980
Gel Time @ 135° C.	70-85 Minutes
Dry Time @ 135° C.	20 Minutes
Viscosity @ 25° C.	
(Demmler #1)	450-800 Seconds
Cake Hardness, 6 Hour Cake	35/20
Cake hardness, Cake in Oil	70/35
Dielectric Strength - Dry	3000 Volts/Mil
Dielectric Strength - Wet	1500 Volts/Mil
Solvent	Xylol
Flash Point (TCC)	81° F.

Recommended Curing Cycle:

1½ to 2 hours at 135° C. after part reaches temperature.

Packaging Information:

Westinghouse B-142-7 Semi-Flexible Insulating Varnish is available in 1-gallon cans, 5-gallon pails, and 55-gallon drums.